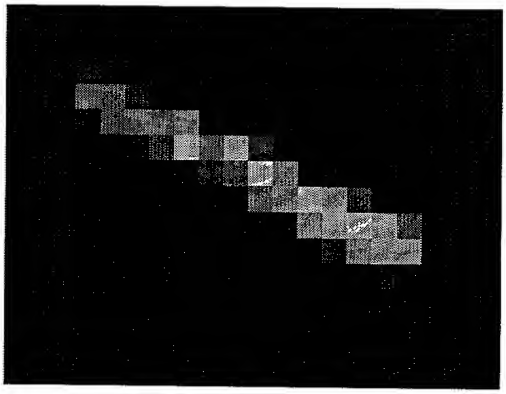


FIG. 1

For Binary Comparison:	For Full Intensity Comparison:
Read number of detections in library image ($N_{library}$)	Read number of detections in library image ($N_{library}$)
Set the intensity of all above-zero pixels to a value of one	Determine average pixel intensity of above-threshold pixels ($\bar{I}_{\text{library}}$)

FIG. 2

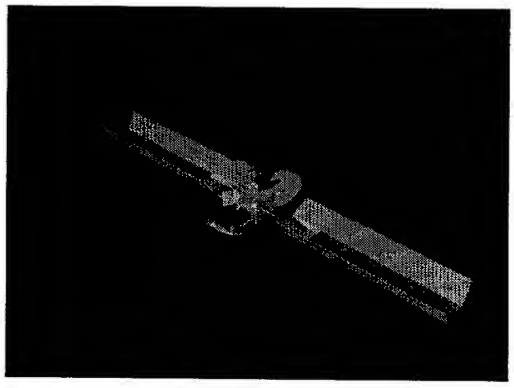


FIG. 3

For Binary Comparison:	For Full Intensity Comparison:
Determine number of detections of object image (N_{object})	Determine number of detections of object image (N_{object})
Offset origin of object image ($(\breve{X}_{object}, \breve{Y}_{object})$) to upper left corner = (0, 0)	Offset origin of object image ($(\breve{X}_{object}, \breve{Y}_{object})$) to upper left corner = (0, 0)
	Determine average pixel intensity of above-threshold pixels $\bar{I}_{object}$)

FIG. 4

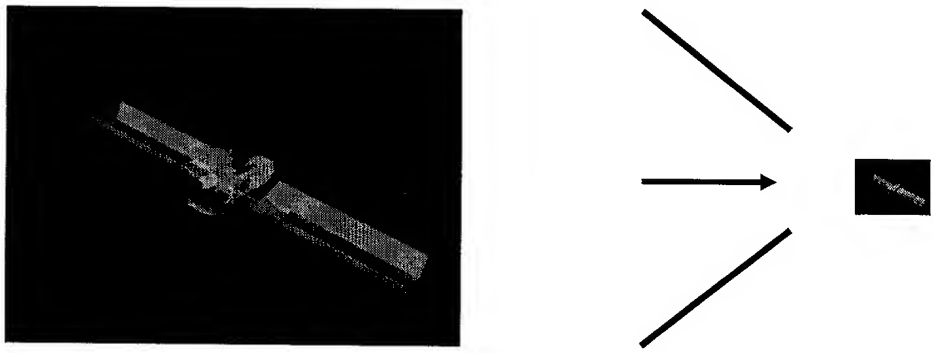


FIG. 5

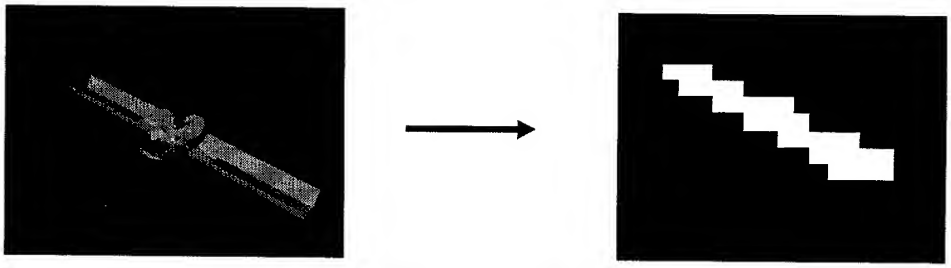


FIG. 6

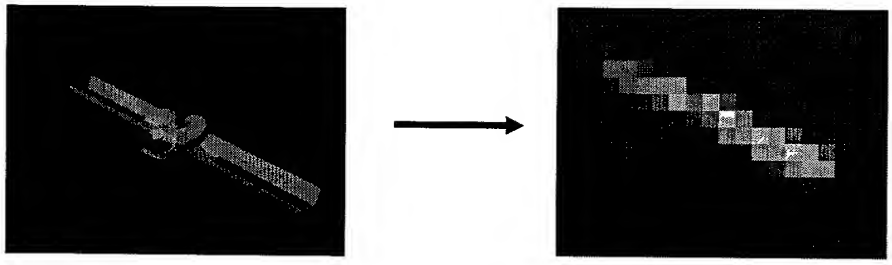


FIG. 7

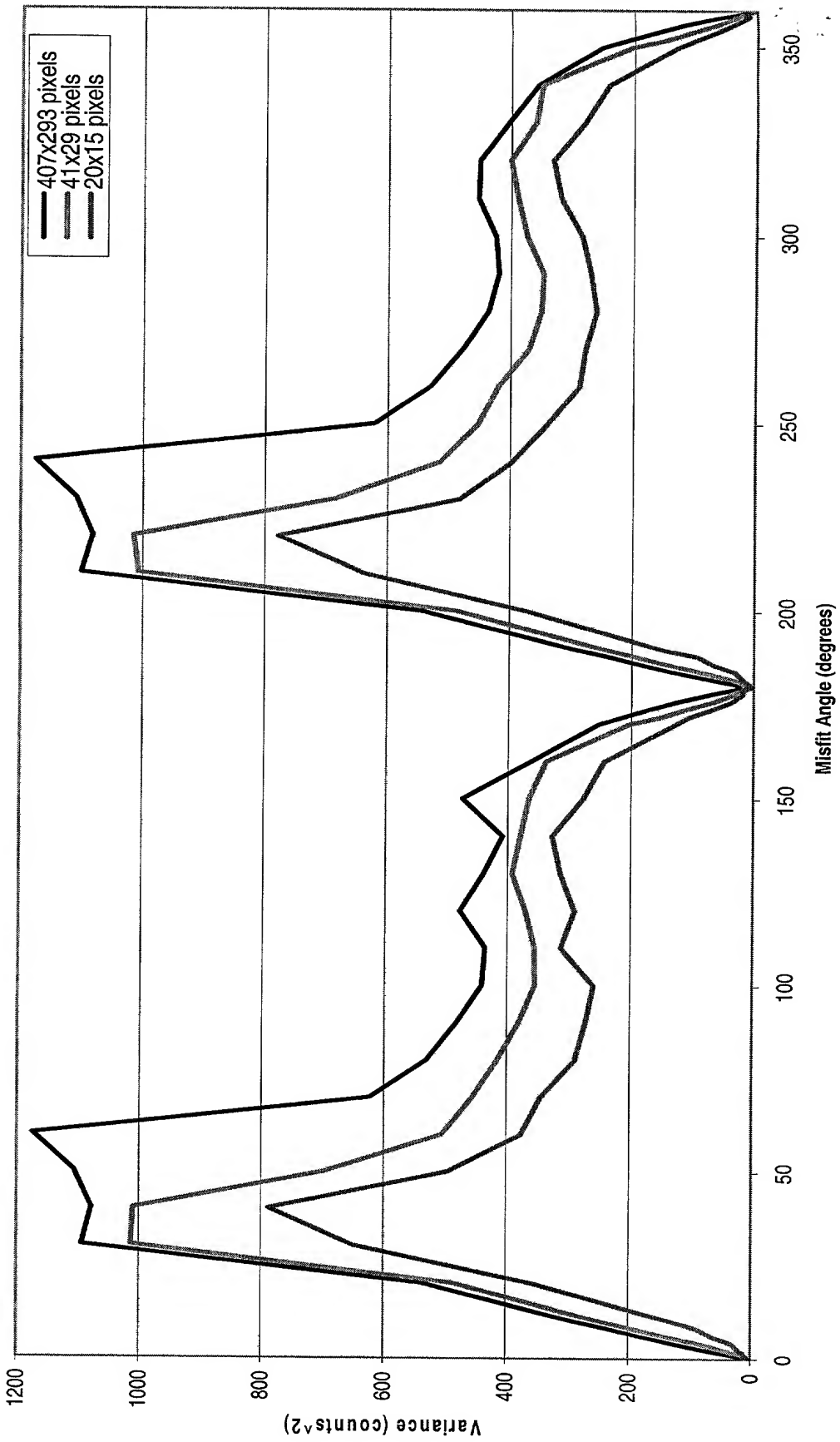
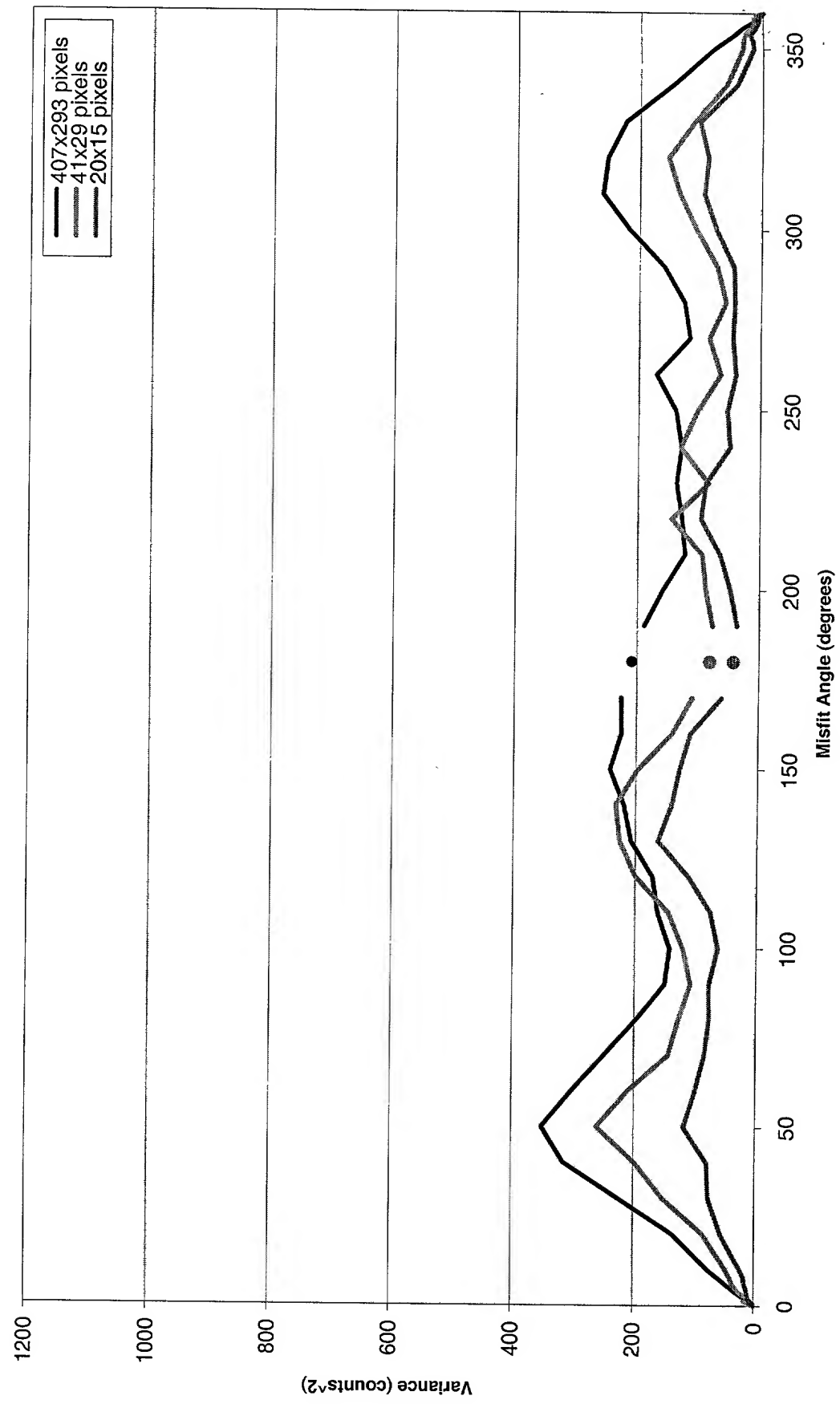

Fit Variance vs. Yaw Misfit
Various Image Resolution
(No Pitch or Roll Misfit)
True position = 0 Y, 0 P, 0 R
Sun = 400, 400, 400
Earth = 1000, 8.75, -1192
Camera = 200, 200, 200 (50 mm)
407x293 pixels
41x29 pixels
20x15 pixels
Variance (counts^2)
0
200
400
600
800
1000
1200
Misfit Angle (degrees)
0
50
100
150
200
250
300
350

FIG. 8a

FIG. 8b


Fit Variance vs. Pitch Misfit
Various Image Resolution
(No Yaw or Roll Misfit)
True position = 0 Y, 0 P, 0 R
Sun = 400, 400, 400
Earth = 1000, 8.75, -1192
Camera = 200, 200, 200 (50 mm)
407x293 pixels
41x29 pixels
20x15 pixels
Variance (counts^2)
0
200
400
600
800
1000
1200
Misfit Angle (degrees)
0
50
100
150
200
250
300
350

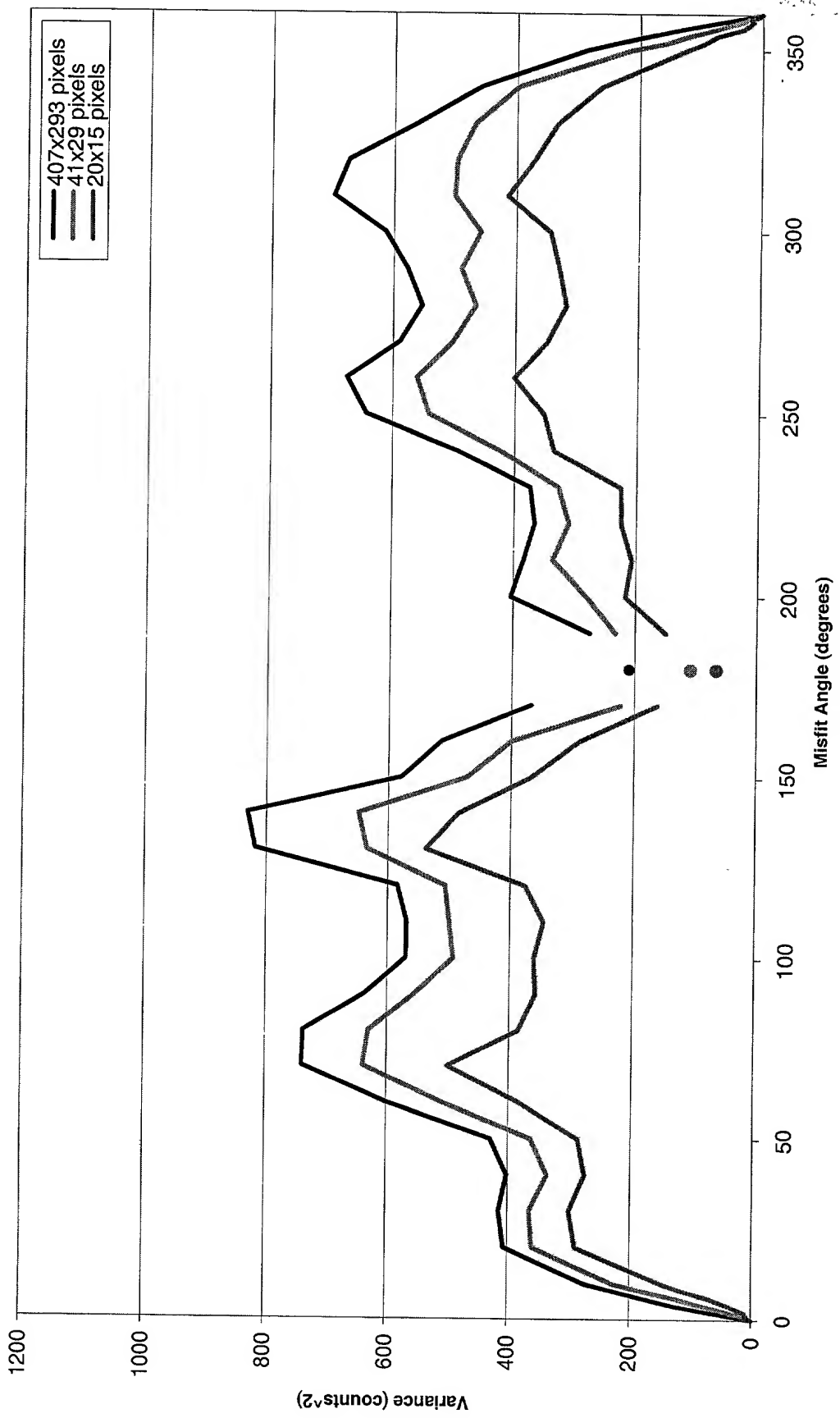

Fit Variance vs. Roll Misfit
Various Image Resolution
(No Yaw or Pitch Misfit)
True position = 0 Y, 0 P, 0 R
Sun = 400, 400, 400
Earth = 1000, 8.75, -1192
Camera = 200, 200, 200 (50 mm)
407x293 pixels
41x29 pixels
20x15 pixels
Variance (counts^2)
0
200
400
600
800
1000
1200
Misfit Angle (degrees)
0
50
100
150
200
250
300
350

FIG. 8c